

# Recombinant Human SPI1 cell lysate

**Cat. No.** SPI1-1683HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>    | This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SPI1 spleen focus forming virus (SFFV) proviral integration oncogene spi1 [ Homo sapiens ] |
| <b>Official Symbol</b> | SPI1                                                                                       |
| <b>Synonyms</b>        | SPI1; spleen focus forming virus (SFFV) proviral integration oncogene spi1;                |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | transcription factor PU.1; 31 kDa transforming protein; hematopoietic transcription factor PU.1; OF; PU.1; SFPI1; SPI 1; SPI 1 proto oncogene; SPI A; SPI-1 proto-oncogene; 31 kDa-transforming protein; SPI-1; SPI-A;                                                                                                                                                                 |
| <b>Gene ID</b>             | <a href="#">6688</a>                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | <a href="#">NM_001080547</a>                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | <a href="#">NP_001074016</a>                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | <a href="#">165170</a>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | <a href="#">P17947</a>                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 11p12-p11.22                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; IL-3 Signaling Pathway, organism-specific biosystem; |
| <b>Function</b>            | NFAT2 protein binding; RNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription factor binding; core promoter binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity;    |